

L Number	Hits	Search Text	DB	Time stamp
1	90658	peptidase or protease or proteinase or proteolytic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:26
2	14945	(peptidase or protease or proteinase or proteolytic) and ((ph) near3 (3.8 or 3.9 or 4.0 or 4.1 or 4.2 or 4.3 or 4.4 or 4.5 or 4.6 or 4.7 or 4.8 or 4.9 or 5.0 or 5.1 or 5.2))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:29
3	1446	((peptidase or protease or proteinase or proteolytic) and ((ph) near3 (3.8 or 3.9 or 4.0 or 4.1 or 4.2 or 4.3 or 4.4 or 4.5 or 4.6 or 4.7 or 4.8 or 4.9 or 5.0 or 5.1 or 5.2))) and (("53" or "54" or "55" or "56" or "57" or "58" or "59" or "60" or "61" or "62") near3 (temperature))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:31
4	177	((((peptidase or protease or proteinase or proteolytic) and ((ph) near3 (3.8 or 3.9 or 4.0 or 4.1 or 4.2 or 4.3 or 4.4 or 4.5 or 4.6 or 4.7 or 4.8 or 4.9 or 5.0 or 5.1 or 5.2))) and (("53" or "54" or "55" or "56" or "57" or "58" or "59" or "60" or "61" or "62") near3 (temperature))) and (cbz or (carbobenzoxo)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:33
5	131	(((((peptidase or protease or proteinase or proteolytic) and ((ph) near3 (3.8 or 3.9 or 4.0 or 4.1 or 4.2 or 4.3 or 4.4 or 4.5 or 4.6 or 4.7 or 4.8 or 4.9 or 5.0 or 5.1 or 5.2))) and (("53" or "54" or "55" or "56" or "57" or "58" or "59" or "60" or "61" or "62") near3 (temperature))) and (cbz or (carbobenzoxo))) and (clone or sequence or dna or cdna or polynucleotide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:34
6	13	(((((peptidase or protease or proteinase or proteolytic) and ((ph) near3 (3.8 or 3.9 or 4.0 or 4.1 or 4.2 or 4.3 or 4.4 or 4.5 or 4.6 or 4.7 or 4.8 or 4.9 or 5.0 or 5.1 or 5.2))) and (("53" or "54" or "55" or "56" or "57" or "58" or "59" or "60" or "61" or "62") near3 (temperature))) and (cbz or (carbobenzoxo))) and (clone or sequence or dna or cdna or polynucleotide)) and (carboxypeptidase or carboxyprotease or carboxyproteinase or (carboxy adj peptidase) or (carboxy adj protease) or (carboxy adj proteinase) or carboxy-peptidase or carboxy-protease or carboxy-proteinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/11 17:37

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NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
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NEWS 12 SEP 29 DISSABS now available on STN
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NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded
NEWS 17 DEC 08 CABA reloaded with left truncation
NEWS 18 DEC 08 IMS file names changed
NEWS 19 DEC 09 Experimental property data collected by CAS now available
in REGISTRY
NEWS 20 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS

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UNMATCHED RIGHT PARENTHESIS 'PROTEINASE)'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s carboxypeptidase or carboxyprotease or carboxyproteinase or (carboxy
peptidase) or (carboxy protease) or (carboxy proteinase) or carboxy-peptidase or
carboxy-protease or carboxy-proteinase
18 FILES SEARCHED...
32 FILES SEARCHED...
52 FILES SEARCHED...
69 FILES SEARCHED...


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93 FILES SEARCHED...
L1      112072 CARBOXYPEPTIDASE OR CARBOXYPROTEASE OR CARBOXYPROTEINASE OR
          (CARBOXY PEPTIDASE) OR (CARBOXY PROTEASE) OR (CARBOXY PROTEINASE
          ) OR CARBOXY-PEPTIDASE OR CARBOXY-PROTEASE OR CARBOXY-PROTEINASE

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maximum number of answers.

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UNMATCHED LEFT PARENTHESIS 'AND (CBZ'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s l1 and (cbz or (carbобензоxy))
    56 FILES SEARCHED...
    103 FILES SEARCHED...
L2      827 L1 AND (CBZ OR (CARBOBENZOX))

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EMBASE, ESBIOBASE, FROSTI, FSTA, IFIPAT, JICST-EPLUS, LIFESCI, MEDLINE'
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PROCESSING COMPLETED FOR L2
L3      489 DUPLICATE REMOVE L2 (338 DUPLICATES REMOVED)

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or "62") (3A) (temperature))
    14 FILES SEARCHED...
    30 FILES SEARCHED...
    46 FILES SEARCHED...
    56 FILES SEARCHED...
    64 FILES SEARCHED...
    78 FILES SEARCHED...
    94 FILES SEARCHED...
    101 FILES SEARCHED...
L4      46 L3 AND ("53" OR "54" OR "55" OR "56" OR "57" OR "58" OR "59"
          OR "60" OR "61" OR "62") (3A) (TEMPERATURE))

=>
<-----User Break----->

=> l3 and ((53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62) (3A)
(temperature))

```

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(temperature))

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33 FILES SEARCHED...

49 FILES SEARCHED...

60 FILES SEARCHED...

68 FILES SEARCHED...

87 FILES SEARCHED...

101 FILES SEARCHED...

L5 46 L3 AND ((53 OR 54 OR 55 OR 56 OR 57 OR 58 OR 59 OR 60 OR 61
OR 62) (3A) (TEMPERATURE))

=> d l5 1-46 bib

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AN 1950:3299 CAPLUS

DN 44:3299

OREF 44:681c-i,682a-i,683a-c

TI Synthesis of peptides of methionine and their cleavage by proteolytic
enzymes

AU Dekker, Charles A.; Taylor, Sterling P., Jr.; Fruton, Joseph S.

SO Journal of Biological Chemistry (1949), 180, 155-73

CODEN: JBCHA3; ISSN: 0021-9258

DT Journal

LA Unavailable

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AN 10163132 IFIPAT;IFIUDB;IFICDB

TI THERMOSTABLE PEPTIDASE; ENZYMATIC PEPTIDE FOR USE IN FOR USE IN THE
TREATMENT OF ALZHEIMER'S DISEASE

INF Chan; Sunney I., Pasadena, CA, US

Cheng; Timothy C., Pasadena, CA, US

Ramakrishnan; Vij, Pasadena, CA, US

IN Chan Sunney I; Cheng Timothy C; Ramakrishnan Vij

PAF California Institute of Technology, a California corporation

PA California Institute of Technology (13190)

AG SCOTT C. HARRIS Fish & Richardson P.C., Suite 500, 4350 La Jolla Village
Drive, San Diego, CA, 92122, US

PI US 2002106779 A1 20020808

AI US 2001-969125 20010924

RLI US 1999-333768 19990615 DIVISION 6294367

PRAI US 1998-89398P 19980615 (Provisional)

FI US 2002106779 20020808

US 6294367

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

GOVI (0002) The U.S. Government has certain rights in this invention pursuant
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CLMN 38

GI 12 Figure(s).

FIG. 1 shows the purification of PfuCP from *P. furiosus* crude extract. The
fractions containing maximum activity from each purification step were
analyzed by denaturing and reducing SDS-PAGE. Samples were pre-incubated
at 80 degrees C. for 1 min in 0.1% SDS and run on a 12% Tris-glycine gel.

FIG. 2 shows oligomeric behavior of PfuCP. (A) Purified apoPfuCP was
examined by SDS-PAGE under reducing or non-reducing conditions (in the
presence or absence of 2 mM DTT), with or without pre-heating (Delta) at
80 degrees C. Dimer bands, D1 and D2, appear at an apparent molecular

mass of about 85 kDa while monomeric PfuCP (M) appears at 58 kDa. (B) Purified enzyme was exchanged twice with deionized water by ultrafiltration and then analyzed by MALDI-TOF MS in the presence or absence of 2 mM DTT.

FIG. 3 shows the amino acid sequence analysis of PfuCP. The amino acid sequences of the N-terminus (Pfu-N) and two Endo-Lys C fragments of PfuCP (Pfu-I and Pfu-II) were aligned with the sequence of the putative P. horikoshii **carboxypeptidase** (PhoCP) using the GAP program from GCG software v.8. The gap weight was 3.0 and the extension penalty was 0.1. The N-terminal extension of the PhoCP gene product is also shown.

FIG. 4 shows the divalent metal ion dependence of PfuCP. (A) Activity assays were performed under standard conditions while the concentration of reconstituting divalent metal ion was varied: Co^{2+} (circle-solid); Zn^{2+} (O). Samples were preincubated on ice with metal ions for 1 hour. Data shown represent the average of duplicate values. (B) Linear reciprocal plot of binding data for Co^{2+} .

FIG. 5 shows the temperature and pH profiles of PfuCP activity. (A) Activity assays were performed under standard conditions as the sample temperature was increased from 20 degrees C. to 100 degrees C. Data shown represent an average of duplicate values and activity is normalized to the maximum activity at 100 degrees C. (B) Arrhenius plot of **temperature** dependence data from 59-93 degrees C. (C) Activity assays were performed under standard conditions with the following buffers: piperazine (O), pH 4.8-6.2; KMES (circle-solid), pH 5.3-6.9; MOPS (*), pH 6.57.5; HEPES (diamond-suit), pH 6.9-8.0. Data shown represent an average of duplicate values and activity is normalized to the maximum activity observed in 0.1 M MOPS (pH 6.5).

FIG. 6 shows far-UV circular dichroism spectra of PfuCP. Potential changes in the secondary structure of the purified PfuCP were monitored in 10 mM potassium phosphate buffer (pH 7.0). Spectra were recorded for the following: i) apoPfuCP at room temperature (O); ii) the Co^{2+} -incubated sample at 80 degrees C. (circle-solid). Concentration of PfuCP was 15 μM . The spectra had two ellipticity minima at 222 and 210 nm, and a maximum at 199 nm.

FIG. 7 shows the intrinsic fluorescence of PfuCP. (A) Comparison of emission spectra at 22 and 80 degrees C. The following fluorescence spectra were recorded: i) apoPfuCP at 22 degrees C. (O); ii) the Co^{2+} -incubated sample at 80 degrees C. for 5 minutes (vert-bar). (B) fluorescence intensity as a function of temperature. Emission spectra were also recorded for the Co^{2+} -incubated sample at the following temperatures (degrees C.): 22, 47, 55, 60, 65, 70, 75, 80, and 85. The maximum excitation and emission wavelengths were 290 and 344 nm, respectively, and the bandwidth was 8 nm. Concentration of PfuCP for all fluorescence experiments was 15 μM .

FIG. 8 shows the thermal inactivation of ApoPfuCP. ApoPfuCP (730 nM in 0.1 M KMES, pH 6.5) was pre-incubated at 80 degrees C. for various time points and then residual activity was assayed under standard conditions. The residual activity was calculated as the fraction of the remaining activity relative to the unheated enzyme maintained on ice. Data points represent the average of duplicate values.

FIG. 9 shows the C-terminal specificities of PfuCP. (A) Activity assays were performed under standard conditions for the hydrolysis of a series of synthetic N-**Cbz**-alanyl-Xaa (ZAX) dipeptides. PfuCP shows a preference for basic, aliphatic and aromatic C-terminal amino acids. Activity against ZAS, ZAH, and ZAN was observed at longer digestion times (30 min). Data shown represent the average of triplicate values. (B) Activity assays were performed under standard conditions while varying the concentration of the N-blocked dipeptide ZAR. Data shown represent the average of duplicate values.

FIG. 10 shows the C-terminal ladder sequencing of N-acetyl-renin substrate by PfuCP. The digestion was performed in 5 mM KMES buffer (pH 6.5) with 50 μM N-acetyl-renin substrate, 0.4 mM CoCl_2 , and 150 nM purified apoPfuCP (total volume 5 μl). The reaction was carried out for 1 minute at 80 degrees C. followed by quenching on ice and the addition of 0.1%

TFA. The sample was subsequently analyzed by MALDI-TOF MS and the monoisotopic masses were recorded.
FIG. 11 shows the hydrolysis of ZAR.
FIG. 12 is a table showing the purification of PfuCP from *P. furiosus*.

L5 ANSWER 3 OF 46 USPATFULL on STN
AN 2003:250525 USPATFULL
TI Recombinant coccidiosis vaccines
IN Binger, Mary-Helen, Hopewell, NJ, UNITED STATES
Chizzonite, Richard Anthony, South Kent, CT, UNITED STATES
Kramer, Richard Allen, West Orange, NJ, UNITED STATES
Lomedico, Peter Thomas, Montclair, NJ, UNITED STATES
McAndrew, Stephen J., Meriden, CT, UNITED STATES
Altenburger, Werner, Muenchenstein, SWITZERLAND
PA ALPHARMA INC. (U.S. corporation)
PI US 2003175311 A1 20030918
AI US 2002-267430 A1 20021009 (10)
RLI Continuation of Ser. No. US 1996-744793, filed on 1 Nov 1996, ABANDONED
Division of Ser. No. US 1991-812349, filed on 20 Dec 1991, GRANTED, Pat.
No. US 5661015 Continuation-in-part of Ser. No. US 1988-202721, filed on
3 Jun 1988, ABANDONED
DT Utility
FS APPLICATION
LREP Stephen M. Haracz, Esq., BRYAN CAVE LLP, 245 Park Avenue, New York, NY,
10167-0034
CLMN Number of Claims: 97
ECL Exemplary Claim: 1
DRWN 47 Drawing Page(s)
LN.CNT 5035
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 46 USPATFULL on STN
AN 2003:244458 USPATFULL
TI Novel thermostable proteolytic enzymes and uses thereof in peptide and
protein synthesis
IN Young, David Michael, Gainesville, FL, UNITED STATES
PI US 2003170867 A1 20030911
AI US 2003-379952 A1 20030304 (10)
RLI Division of Ser. No. US 1999-404031, filed on 23 Sep 1999, GRANTED, Pat.
No. US 6573065 Division of Ser. No. US 1998-197945, filed on 23 Nov
1998, GRANTED, Pat. No. US 6143517 Continuation of Ser. No. US
1996-773475, filed on 23 Dec 1996, ABANDONED
DT Utility
FS APPLICATION
LREP SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL ASSOCIATION, 2421 N.W.
41ST STREET, SUITE A-1, GAINESVILLE, FL, 326066669
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 926
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 46 USPATFULL on STN
AN 2003:207303 USPATFULL
TI Enantioselective oligomerization of alpha-hydroxy carboxylic acids and
alpha-amino acids
IN Lorbert, Stephen J., St. Louis, MO, UNITED STATES
Schasteen, Charles S., St. Charles, MO, UNITED STATES
Nam, Paul K.S., Rolla, MO, UNITED STATES
Forciniti, Daniel, Rolla, MO, UNITED STATES
Rajesh, Mathur P., Rolla, MO, UNITED STATES
Kapila, Shubhender, Rolla, MO, UNITED STATES
PA Novus International, Inc. (U.S. corporation)
PI US 2003143661 A1 20030731

AI US 2002-136974 A1 20020502 (10)
RLI Continuation-in-part of Ser. No. US 2000-699946, filed on 30 Oct 2000,
PENDING
PRAI US 2001-288196P 20010502 (60)
US 1999-162725P 19991029 (60)
DT Utility
FS APPLICATION
LREP SENNIGER POWERS LEAVITT AND ROEDEL, ONE METROPOLITAN SQUARE, 16TH FLOOR,
ST LOUIS, MO, 63102
CLMN Number of Claims: 85
ECL Exemplary Claim: 1
DRWN 76 Drawing Page(s)
LN.CNT 2611
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 46 USPATFULL on STN
AN 2003:148872 USPATFULL
TI Thermostable proteolytic enzymes and uses thereof in peptide protein
synthesis
IN Young, David Michael, 2106 NW. 27th Ter., Gainesville, FL, United States
32605
PI US 6573065 B1 20030603
AI US 1999-404031 19990923 (9)
RLI Continuation of Ser. No. US 1998-197945, filed on 23 Nov 1998, now
patented, Pat. No. US 6143517 Continuation of Ser. No. US 1996-773475,
filed on 23 Dec 1996, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Nashed, Nashaat T.
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 947
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 46 USPATFULL on STN
AN 2003:79285 USPATFULL
TI Endothelin-antagonizing peptide
IN Tanaka, Takeo, Tokyo, JAPAN
Morishita, Yoshikazu, Tokyo, JAPAN
Makino, Mika, Muroran-shi, JAPAN
Chiba, Shigeru, Kawasaki-shi, JAPAN
Kawamoto, Isao, Hiratsuka-shi, JAPAN
Tsukuda, Eiji, Sunto-gun, JAPAN
Yoshida, Mayumi, Sagamihara-shi, JAPAN
Bando, Chieko, Tokyo, JAPAN
Yamaguchi, Kazuo, Sagamihara-shi, JAPAN
Matsuda, Yuzuru, Tokyo, JAPAN
Kitamura, Shigeto, Tokyo, JAPAN
Ikemura, Toshihide, Mishima-shi, JAPAN
Ogawa, Tatsuhiro, Kawasaki-shi, JAPAN
Yano, Keiichi, Kawasaki-shi, JAPAN
Suzawa, Toshiyuki, Yamato-shi, JAPAN
Shibata, Kenji, Kawasaki-shi, JAPAN
Yamasaki, Motoo, Tokyo, JAPAN
PI US 2003055213 A1 20030320
US 6642355 B2 20031104
AI US 2001-750754 A1 20010102 (9)
RLI Division of Ser. No. US 1998-181083, filed on 27 Oct 1998, PATENTED
Continuation of Ser. No. US 1997-804923, filed on 24 Feb 1997, ABANDONED
Division of Ser. No. US 1994-321625, filed on 12 Oct 1994, PATENTED
Continuation-in-part of Ser. No. US 1993-108612, filed on 27 Aug 1993,
ABANDONED
PRAI JP 1991-347293 19911227

WO 1992-JP1731 19921228
DT Utility
FS APPLICATION
LREP ANTONELLI TERRY STOUT AND KRAUS, SUITE 1800, 1300 NORTH SEVENTEENTH STREET, ARLINGTON, VA, 22209
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3255
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 46 USPATFULL on STN
AN 2003:37152 USPATFULL
TI Method for treating a subject suffering from conditions associated with an extracellular zinc sphingomyelinase
IN Tabas, Ira, New City, NY, UNITED STATES
Schissel, Scott L., Tea Neck, NJ, UNITED STATES
Williams, Kevin Jon, Wynnewood, PA, UNITED STATES
PI US 2003026796 A1 20030206
US 6613322 B2 20030902
AI US 2000-518805 A1 20000303 (9)
RLI Continuation of Ser. No. WO 1998-US18362, filed on 4 Sep 1998, UNKNOWN
Continuation-in-part of Ser. No. US 1997-937234, filed on 5 Sep 1997, PATENTED
DT Utility
FS APPLICATION
LREP Cooper & Dunham LLP, John P White, 1185 Avenue of the Americas, New York, NY, 10036
CLMN Number of Claims: 38
ECL Exemplary Claim: 1
DRWN 30 Drawing Page(s)
LN.CNT 4519
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 46 USPATFULL on STN
AN 2003:11125 USPATFULL
TI Peptidyl heterocyclic ketones useful as tryptase inhibitors
IN Costanzo, Michael J., Ivyland, PA, UNITED STATES
Maryanof, Bruce E., Forest Grove, PA, UNITED STATES
Yabut, Stephen C., North Wales, PA, UNITED STATES
PI US 2003008829 A1 20030109
AI US 2002-205355 A1 20020725 (10)
RLI Division of Ser. No. US 2000-482802, filed on 13 Jan 2000, GRANTED, Pat. No. US 6469036
PRAI US 1999-117602P 19990127 (60)
DT Utility
FS APPLICATION
LREP AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2066
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 46 USPATFULL on STN
AN 2002:276110 USPATFULL
TI Peptidyl heterocyclic ketones useful as tryptase inhibitors
IN Costanzo, Michael J., Ivyland, PA, United States
Maryanoff, Bruce E., Forest Grove, PA, United States
Yabut, Stephen C., North Wales, PA, United States
PA Ortho-McNeil Pharmaceutical, Inc., Raritan, NJ, United States (U.S. corporation)
PI US 6469036 B1 20021022

AI US 2000-482802 20000113 (9)
PRAI US 1999-117602P 19990127 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Raymond, Richard L.
LREP Appollina, Mary A.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1870
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 46 USPATFULL on STN
AN 2002:73003 USPATFULL
TI 1-amino-7-isoquinoline derivatives as serine protease inhibitors
IN Liebeschuetz, John Walter, Bollington, UNITED KINGDOM
Wylie, William Alexander, Stockport, UNITED KINGDOM
Waszkowycz, Bohdan, Wilmslow, UNITED KINGDOM
Murray, Christopher William, Macclesfield, UNITED KINGDOM
Rimmer, Andrew David, Chorley, UNITED KINGDOM
Welsh, Pauline Mary, Macclesfield, UNITED KINGDOM
Jones, Stuart Donald, Prestbury, UNITED KINGDOM
Roscoe, Jonathan Michael Ernest, Holsworthy, UNITED KINGDOM
Young, Stephen Clinton, Stockport, UNITED KINGDOM
Morgan, Phillip John, Congleton, UNITED KINGDOM
Camp, Nicholas Paul, Macclesfield, UNITED KINGDOM
Crew, Andrew Philip Austin, Congleton, UNITED KINGDOM
PI US 2002040144 A1 20020404
US 6420438 B2 20020716
AI US 2001-865418 A1 20010529 (9)
RLI Continuation of Ser. No. US 2000-485677, filed on 25 Feb 2000, GRANTED,
Pat. No. US 6262069 A 371 of International Ser. No. WO 1998-GB2600,
filed on 28 Aug 1998, UNKNOWN
PRAI GB 1997-18392 19970829
GB 1998-3173 19980213
DT Utility
FS APPLICATION
LREP Martin A. Hay, 13 Queen Victoria Street, Macclesfield Cheshire UK, SK11
6LP
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2033
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 46 USPATFULL on STN
AN 2001:185528 USPATFULL
TI Inhibitors of metalloproteases, pharmaceutical compositions comprising
same and methods of their use
IN Campbell, David A., 1492 Ascension Dr., San Mateo, CA, United States
94402
Patel, Dinesh V., 45109 Cougar Cir., Fremont, CA, United States 94086
Xiao, Xiao-Yi, 11025 N. Torrey Pines Rd., #100, La Jolla, CA, United
States 92037
PI US 6307101 B1 20011023
AI US 1999-271801 19990317 (9)
RLI Continuation of Ser. No. US 1998-81466, filed on 19 May 1998, now
patented, Pat. No. US 5929278 Continuation of Ser. No. US 1995-549345,
filed on 27 Oct 1995, now patented, Pat. No. US 5831004
Continuation-in-part of Ser. No. US 1995-484255, filed on 7 Jun 1995,
now abandoned Continuation-in-part of Ser. No. US 1994-329420, filed on
27 Oct 1994, now abandoned
DT Utility
FS GRANTED

EXNAM Primary Examiner: Jones, Dwayne C.; Assistant Examiner:
Delacroix-Muirheid, C.
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 13 Drawing Page(s)
LN.CNT 2251
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 46 USPATFULL on STN
AN 2001:163037 USPATFULL
TI Thermostable peptidase
IN Cheng, Timothy C., Pasadena, CA, United States
Ramakrishnan, Vij, Pasadena, CA, United States
Chan, Sunney I., Pasadena, CA, United States
PA California Institute of Technology, Pasadena, CA, United States (U.S.
corporation)
PI US 6294367 B1 20010925
AI US 1999-333768 19990615 (9)
PRAI US 1998-89398P 19980615 (60)
DT Utility
FS GRANTED

EXNAM Primary Examiner: Prouty, Rebecca E.; Assistant Examiner: Monshipouri,
Maryam
LREP Fish & Richardson PC
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN 18 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 1979
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 46 USPATFULL on STN
AN 2001:131430 USPATFULL
TI Porphyromonas gingivalis arginine-specific proteinase coding sequences
IN Travis, James, Athens, GA, United States
Potempa, Jan Stanislaw, Athens, GA, United States
Barr, Philip J., Berkeley, CA, United States
Pavloff, Nadine, Novato, CA, United States
PA University of Georgia Research Foundation, Inc., Athens, GA, United
States (U.S. corporation)
PI US 6274718 B1 20010814
AI US 2000-490931 20000125 (9)
RLI Continuation of Ser. No. US 1994-336308, filed on 8 Nov 1994, now
patented, Pat. No. US 6017523 Continuation-in-part of Ser. No. WO
1994-US10283, filed on 9 Sep 1994 Continuation of Ser. No. US
1994-265441, filed on 24 Jun 1994, now abandoned Continuation-in-part of
Ser. No. US 1993-119361, filed on 10 Sep 1993, now patented, Pat. No. US
5523390
DT Utility
FS GRANTED

EXNAM Primary Examiner: Slobodyansky, Elizabeth
LREP Greenlee Winner and Sullivan PC
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 7 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 2802
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 46 USPATFULL on STN
AN 2001:131056 USPATFULL
TI Method of inhibiting cathepsin K
IN Abdel-Meguid, Sherin Salaheldin, Exton, PA, United States
Desjarlais, Renee Louise, St. Davids, PA, United States
Janson, Cheryl Ann, Bryn Mawr, PA, United States

Smith, Jr., Ward Whitlock, Bryn Mawr, PA, United States
 Zhao, Baoguang, King of Prussia, PA, United States
 PA SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S.
 corporation)
 PI US 6274336 B1 20010814
 WO 9716177 19970509
 AI US 1997-860255 19970626 (8)
 WO 1996-US17512 19961030
 19970626 PCT 371 date
 19970626 PCT 102(e) date
 PRAI US 1995-8108P 19951030 (60)
 US 1995-7473P 19951122 (60)
 US 1995-8992P 19951221 (60)
 US 1996-13748P 19960320 (60)
 US 1996-13764P 19960320 (60)
 US 1996-13747P 19960320 (60)
 US 1996-17455P 19960517 (60)
 US 1996-17892P 19960517 (60)
 US 1996-20478P 19960613 (60)
 US 1996-22047P 19960722 (60)
 US 1996-23494P 19960807 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Russel, Jeffrey E.
 LREP McCarthy, Mary E., Venetianer, Stephen, Kinzig, Charles M.
 CLMN Number of Claims: 1
 ECL Exemplary Claim: 1
 DRWN 24 Drawing Figure(s); 24 Drawing Page(s)
 LN.CNT 29231
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 46 USPATFULL on STN
 AN 2001:112334 USPATFULL
 TI 1-amino-7-isoquinoline derivatives as serine protease inhibitors
 IN Liebeschuetz, John Walter, Bollington, United Kingdom
 Wylie, William Alexander, Stockport, United Kingdom
 Waszkowycz, Bohdan, Wilmslow, United Kingdom
 Murray, Christopher William, Macclesfield, United Kingdom
 Rimmer, Andrew David, Chorley, United Kingdom
 Welsh, Pauline Mary, Macclesfield, United Kingdom
 Jones, Stuart Donald, Prestbury, United Kingdom
 Roscoe, Jonathan Michael Ernest, Holsworthy, United Kingdom
 Young, Stephan Clinton, Stockport, United Kingdom
 Morgan, Phillip John, Congleton, United Kingdom
 Camp, Nicholas Paul, Macclesfield, United Kingdom
 Crew, Andrew Philip Austin, Congleton, United Kingdom
 PA Protherics Molecular Design Limited, Macclesfield, United Kingdom
 (non-U.S. corporation)
 PI US 6262069 B1 20010717
 WO 9911657 19990311
 AI US 2000-485677 20000225 (9)
 WO 1998-GB2600 19980828
 20000225 PCT 371 date
 20000225 PCT 102(e) date
 PRAI GB 1997-18392 19970829
 GB 1998-3173 19980213
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Seaman, D. Margaret
 LREP Hay, Martin A.
 CLMN Number of Claims: 28
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1986

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 46 USPATFULL on STN
AN 2001:29348 USPATFULL
TI Strains of streptomyces producing endothelin antagonistic peptides
IN Tanaka, Takeo, Machida, Japan
Morishita, Yoshikazu, Machida, Japan
Makino, Mika, Muroran, Japan
Chiba, Shigeru, Kawasaki, Japan
Kawamoto, Isao, Hiratsuka, Japan
Tsukuda, Eiji, Shizuoka, Japan
Yoshida, Mayumi, Sagamihara, Japan
Bando, Chieko, Machida, Japan
Yamaguchi, Kazuo, Sagamihara, Japan
Matsuda, Yuzuru, Koganei, Japan
Kitamura, Shigeto, Machida, Japan
Ikemura, Toshihide, Mishima, Japan
Ogawa, Tatsuhiro, Kawasaki, Japan
Yano, Keiichi, Kawasaki, Japan
Suzawa, Toshiyuki, Yamato, Japan
Shibata, Kenji, Kawasaki, Japan
Yamasaki, Motoo, Machida, Japan
PA Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 6194195 B1 20010227
AI US 1998-181083 19981027 (9)
RLI Continuation of Ser. No. US 1997-804923, filed on 24 Feb 1997, now
abandoned Division of Ser. No. US 1994-321625, filed on 12 Oct 1994, now
patented, Pat. No. US 5639860 Continuation-in-part of Ser. No. US
1993-108612, filed on 27 Aug 1993, now abandoned
PRAI JP 1991-347293 19911227
WO 1992-JP1731 19921228
DT Utility
FS Granted
EXNAM Primary Examiner: Marx, Irene
LREP Antonelli, Terry, Stout & Kraus, LLP.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1,2
DRWN No Drawings
LN.CNT 2596

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 46 USPATFULL on STN
AN 2000:174129 USPATFULL
TI Preparation for the application of agents in mini-droplets
IN Cevc, Gregor, Heimstetten, Germany, Federal Republic of
PA Idea AG, Munich, Germany, Federal Republic of (non-U.S. corporation)
PI US 6165500 20001226
AI US 1992-844664 19920408 (7)
PRAI DE 1990-4026834 19900824
DE 1990-4026833 19900824
DE 1991-4107153 19910306
WO 1991-EP1596 19910822
DT Utility
FS Granted
EXNAM Primary Examiner: Kishore, Gollamudi S.
LREP Davidson, Davidson & Kappel, LLC
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 31 Drawing Figure(s); 21 Drawing Page(s)
LN.CNT 4336

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 46 USPATFULL on STN
AN 2000:149937 USPATFULL

TI Thermostable proteolytic enzymes and uses thereof in peptide and protein synthesis
IN Young, David Michael, Gainesville, FL, United States
PA University of Florida, Gainesville, FL, United States (U.S. corporation)
PI US 6143517 20001107
AI US 1998-197945 19981123 (9)
RLI Continuation of Ser. No. US 1996-773475, filed on 23 Dec 1996, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Nashed, Nashaat T.
LREP Saliwanchik, Lloyd & Saliwanchik
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 953
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 46 USPATFULL on STN
AN 2000:9523 USPATFULL
TI Porphyromonas gingivalis arginine-specific proteinase
IN Travis, James, Athens, GA, United States
Potempa, Jan Stanislaw, Athens, GA, United States
PA University of Georgia Research Foundation, Inc., Athens, GA, United States (U.S. corporation)
PI US 6017532 20000125
AI US 1994-336308 19941108 (8)
RLI Continuation-in-part of Ser. No. US 1994-265441, filed on 24 Jun 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-119361, filed on 10 Sep 1993, now patented, Pat. No. US 5523390
DT Utility
FS Granted
EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Slobodyansky, Elizabeth
LREP Greenlee, Winner and Sullivan, PC
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 7 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 4435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 46 USPATFULL on STN
AN 1999:150906 USPATFULL
TI Method for treating a subject suffering from a condition associated with an extracellular zinc sphingomyelinase
IN Tabas, Ira, New City, NY, United States
Schissel, Scott L., Teaneck, NJ, United States
Williams, Kevin Jon, Wynnwood, PA, United States
PA The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)
Thomas Jefferson University, Philadelphia, PA, United States (U.S. corporation)
PI US 5989803 19991123
AI US 1997-937234 19970908 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lankford, Jr., Leon B.; Assistant Examiner: Tate, Christopher R.
LREP White, John P. Cooper & Dunham LLP
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 35 Drawing Figure(s); 22 Drawing Page(s)
LN.CNT 3580
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 22 OF 46 USPATFULL on STN
 AN 1999:145973 USPATFULL
 TI Biological control of insects
 IN Reed, Benjamin J., 19 Frederick Street, Ferntree Gully, Victoria, Australia
 Sandeman, Richard M., Plenty Road, Bundoora, Victoria, Australia
 Chandler, David S., Brassey Court, Mickleham, Vicotria, Australia
 PI US 5985273 19991116
 WO 9535031 19951228
 AI US 1997-765165 19970627 (8)
 WO 1995-AU347 19950615
 19970627 PCT 371 date
 19970627 PCT 102(e) date
 PRAI AU 1994-6313 19940617
 AU 1994-6876 19940715
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Weber, Jon P.
 LREP Fish & Richardson P.C.
 CLMN Number of Claims: 40
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1538
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 46 USPATFULL on STN
 AN 1999:92541 USPATFULL
 TI Protein expression system
 IN Sgarlato, Gregory D., Los Gatos, CA, United States
 PA Technologene, Inc., Los Gatos, CA, United States (U.S. corporation)
 PI US 5935824 19990810
 AI US 1996-595043 19960131 (8)
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Ulm, John
 LREP Medlen & Carroll, LLP
 CLMN Number of Claims: 23
 ECL Exemplary Claim: 1
 DRWN 53 Drawing Figure(s); 44 Drawing Page(s)
 LN.CNT 5959
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 24 OF 46 USPATFULL on STN
 AN 1999:85629 USPATFULL
 TI Inhibitors of metalloproteases, pharmaceutical compositions comprising same and methods of their use
 IN Campbell, David A., San Mateo, CA, United States
 Patel, Dinesh V., Fremont, CA, United States
 Xiao, Xiao-Yi, La Jolla, CA, United States
 PA Affymax Technologies N.V., Greenford, United Kingdom (non-U.S. corporation)
 PI US 5929278 19990727
 AI US 1998-81466 19980519 (9)
 RLI Continuation of Ser. No. US 1995-549345, filed on 27 Oct 1995, now patented, Pat. No. US 5831004 which is a continuation-in-part of Ser. No. US 1995-484255, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-329420, filed on 27 Oct 1994, now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner: Delacroix-Muirheid, C.
 LREP Swiss, Gerald F., Stevens, Lauren L.

CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 13 Drawing Page(s)
LN.CNT 2235
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 46 USPATFULL on STN
AN 1999:21921 USPATFULL
TI Dioxetane compounds for the chemiluminescent detection of proteases,
methods of use and kits therefore
IN Bronstein, Irena, Newton, MA, United States
Edwards, Brooks, Cambridge, MA, United States
Martin, Christopher, Belmont, MA, United States
Sparks, Alison, North Andover, MA, United States
Voyta, John C., Sudbury, MA, United States
PA Tropix, Inc., New Bedford, MA, United States (U.S. corporation)
PI US 5871938 19990216
AI US 1997-935066 19970922 (8)
RLI Continuation of Ser. No. US 1996-728990, filed on 11 Oct 1996, now
patented, Pat. No. US 5843681 which is a continuation of Ser. No. US
1995-385788, filed on 9 Feb 1995, now patented, Pat. No. US 5591591
DT Utility
FS Granted
EXNAM Primary Examiner: Ceperley, Mary E.
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 5 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 748
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 26 OF 46 USPATFULL on STN
AN 1999:4640 USPATFULL
TI Cathepsin and methods and compositions for inhibition thereof
IN Tung, Jay S., Belmont, CA, United States
Sinha, Sukanto, San Francisco, CA, United States
Semko, Christopher M. F., Fremont, CA, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5858982 19990112
AI US 1997-850392 19970502 (8)
RLI Continuation of Ser. No. US 1995-469362, filed on 6 Jun 1995
DT Utility
FS Granted
EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner: Borin, Michael
LREP Burns, Doane, Swecker & Mathis, L.L.P.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 2385
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 46 USPATFULL on STN
AN 1998:157467 USPATFULL
TI Peptidase inhibitors
IN Kolb, H. Michael, Cincinnati, OH, United States
Burkhart, Joseph P., West Chester, OH, United States
Jung, Michel J., Pfaffenhoffen, France
Gerhart, deceased, Fritz E., late of Kehl Leutesheim, Germany, Federal
Republic of by Jutta Gerhart, legal representative
Giroux, Eugene L., Cincinnati, OH, United States
Neises, Bernhard, Offenburg-Griesheim, Germany, Federal Republic of
Schirlin, Daniel G., Lampertheim, France
PA Merrell Pharmaceuticals Inc., Cincinnati, OH, United States (U.S.

corporation)
PI US 5849866 19981215
AI US 1995-481666 19950607 (8)
RLI Division of Ser. No. US 1994-248847, filed on 25 May 1994, now patented,
Pat. No. US 5496927 which is a continuation of Ser. No. US 1993-102522,
filed on 4 Aug 1993, now abandoned which is a continuation of Ser. No.
US 1992-980141, filed on 23 Nov 1992, now abandoned which is a
continuation of Ser. No. US 1990-540033, filed on 19 Jun 1990, now
abandoned which is a continuation-in-part of Ser. No. US 1989-372162,
filed on 27 Jun 1989, now abandoned which is a continuation of Ser. No.
US 1988-267758, filed on 1 Nov 1988, now abandoned which is a
continuation of Ser. No. US 1986-874721, filed on 16 Jun 1986, now
abandoned which is a continuation-in-part of Ser. No. US 1985-697987,
filed on 4 Feb 1985, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Russel, Jeffrey E.
LREP Wille, Louis J.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2817
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 28 OF 46 USPATFULL on STN
AN 1998:157315 USPATFULL
TI Cathepsin and methods and compositions for inhibition thereof
IN Tung, Jay S., Belmont, CA, United States
Sinha, Sukanto, San Francisco, CA, United States
McConlogue, Lisa, San Francisco, CA, United States
Semko, Christopher M. F., Fremont, CA, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5849711 19981215
AI US 1995-469362 19950606 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner: Borin, Michael
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 2445
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 29 OF 46 USPATFULL on STN
AN 1998:150698 USPATFULL
TI Dioxetane compounds for the chemiluminescent detection of proteases,
methods of use and kits therefore
IN Bronstein, Irena, Newton, MA, United States
Edwards, Brooks, Cambridge, MA, United States
Martin, Christopher, Belmont, MA, United States
Sparks, Alison, North Andover, MA, United States
Voyta, John C., Sudbury, MA, United States
PA Tropix, Inc., New Bedford, MA, United States (U.S. corporation)
PI US 5843681 19981201
AI US 1996-728990 19961011 (8)
RLI Continuation of Ser. No. US 1995-385788, filed on 9 Feb 1995, now
patented, Pat. No. US 5591591
DT Utility
FS Granted
EXNAM Primary Examiner: Ceperley, Mary E.
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1

DRWN 5 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 764
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 30 OF 46 USPATFULL on STN
AN 1998:135148 USPATFULL
TI Inhibitors of metalloproteases, pharmaceutical compositions comprising
same and methods of their use
IN Campbell, David A., San Mateo, CA, United States
Patel, Dinesh V., Fremont, CA, United States
Xiao, Xiao-Yi, San Diego, CA, United States
PA Affymax Technologies N.V., Greenford, England (non-U.S. corporation)
PI US 5831004 19981103
AI US 1995-549345 19951027 (8)
RLI Continuation-in-part of Ser. No. US 1995-484255, filed on 7 Jun 1995,
now abandoned which is a continuation-in-part of Ser. No. US
1994-329420, filed on 27 Oct 1994, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner:
Delacroix-Muirheid, C.
LREP Swiss, Gerald F., Stevens, Lauren L.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 13 Drawing Page(s)
LN.CNT 2313
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 46 USPATFULL on STN
AN 1998:85817 USPATFULL
TI Cathepsin and methods and compositions for inhibition thereof
IN Tung, Jay S., 2224 Semeria Ave., Belmont, CA, United States 94002
Sinha, Sukanto, 808 Junipero Serra Blvd., San Francisco, CA, United
States 94127
McConlogue, Lisa, 283 Juanita Way, San Francisco, CA, United States
94127
Tatsuno, Gwen, 5910 Pinewood Rd., Oakland, CA, United States 94611
Anderson, John, 21 Bucareli Dr., San Francisco, CA, United States 94132
Chrysler, Susanna, 448-1/2 San Bruno Ave., Brisbane, CA, United States
94005
PI US 5783434 19980721
AI US 1995-467607 19950606 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Zitomer, Stephanie W.; Assistant Examiner: Whisenant,
Ethan
LREP Burns, Doane, Swecker & Mathis, L.L.P.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 2314
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 32 OF 46 USPATFULL on STN
AN 97:76000 USPATFULL
TI Recombinant coccidiosis vaccines
IN Binger, Mary-Helen, Hopewell, NJ, United States
Chizzonite, Richard Anthony, South Kent, CT, United States
Kramer, Richard Allen, West Orange, NJ, United States
Lomedico, Peter Thomas, Montclair, NJ, United States
McAndrew, Stephen J., Meriden, CT, United States
Altenburger, Werner, Muenchenstein, Switzerland
PA Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
PI US 5661015 19970826

AI US 1991-812349 19911220 (7)
RLI Continuation-in-part of Ser. No. US 1988-202721, filed on 3 Jun 1988,
now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Housel, James C.; Assistant Examiner: Portner, Ginny
Allen
LREP Johnston, George W., Epstein, William H., Smith, Catherine R.
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 63 Drawing Figure(s); 47 Drawing Page(s)
LN.CNT 2808
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 33 OF 46 USPATFULL on STN
AN 97:52106 USPATFULL
TI Endothelin-antagonizing peptide
IN Tanaka, Takeo, Machida, Japan
Morishita, Yoshikazu, Machida, Japan
Makino, Mika, Muroran, Japan
Chiba, Shigeru, Kawasaki, Japan
Kawamoto, Isao, Hiratsuka, Japan
Tsukuda, Eiji, Sunto-gun, Japan
Yoshida, Mayumi, Sagamihara, Japan
Bando, Chieko, Machida, Japan
Yamaguchi, Kazuo, Sagamihara, Japan
Matsuda, Yuzuru, Koganei, Japan
Kitamura, Shigeto, Machida, Japan
Ikemura, Toshihide, Mishima, Japan
Ogawa, Tatsuhiro, Kawasaki, Japan
Yano, Keiichi, Kawasaki, Japan
Suzawa, Toshiyuki, Yamato, Japan
Shibata, Kenji, Kawasaki, Japan
Yamasaki, Motoo, Machida, Japan
PA Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 5639860 19970617
AI US 1994-321625 19941012 (8)
RLI Continuation-in-part of Ser. No. US 1993-108612, filed on 27 Aug 1993,
now abandoned
PRAI JP 1991-347293 19911227
DT Utility
FS Granted
EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner: Lukton, David
LREP Antonelli, Terry, Stout & Kraus, LLP
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3128
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 34 OF 46 USPATFULL on STN
AN 97:1322 USPATFULL
TI Dioxetane compounds for the chemiluminescent detection of proteases,
methods of use and kits therefore
IN Bronstein, Irena, Newton, MA, United States
Edwards, Brooks, Cambridge, MA, United States
Martin, Christopher, Belmont, MA, United States
Sparks, Alison, North Andover, MA, United States
Voyta, John C., Sudbury, MA, United States
PA Tropix, Inc., New Bedford, MA, United States (U.S. corporation)
PI US 5591591 19970107
AI US 1995-385788 19950209 (8)
DT Utility
FS Granted

EXNAM Primary Examiner: Ceperley, Mary E.
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1,8
DRWN 5 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 747
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 35 OF 46 USPATFULL on STN
AN 96:48476 USPATFULL
TI Porphyromonas gingivalis arginine-specific proteinase
IN Travis, James, Athens,, GA, United States
Potempa, Jan S., Athens,, GA, United States
Barr, Philip J., Berkeley, CA, United States
Pavloff, Nadine, Novato, CA, United States
PA University of Georgia Research Foundation, Inc., Athens, GA, United States (U.S. corporation)
PI US 5523390 19960604
AI US 1993-119361 19930910 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Wax, Robert A.; Assistant Examiner: Kim, Hyosuk
LREP Greenlee and Winner
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 8 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 2091
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 36 OF 46 USPATFULL on STN
AN 96:19200 USPATFULL
TI Peptidase inhibitors
IN Kolb, H. Michael, Cincinnati, OH, United States
Burkhart, Joseph P., West Chester, OH, United States
Jung, Michel J., Pfaffenhoffen, France
Gerhart, deceased, Fritz E., late of Kehl Leutesheim, Germany, Federal Republic of by Jutta Gerhart, legal representative
Giroux, Eugene L., Cincinnati, OH, United States
Neises, Bernhard, Offenburg-Griesheim, Germany, Federal Republic of
Schirlin, Daniel G., Lampertheim, France
PA Merrell Pharmaceuticals Inc., Cincinnati, OH, United States (U.S. corporation)
PI US 5496927 19960305
AI US 1994-248847 19940525 (8)
RLI Continuation of Ser. No. US 1993-102522, filed on 4 Aug 1993, now abandoned which is a continuation of Ser. No. US 1992-980141, filed on 23 Nov 1992, now abandoned which is a continuation of Ser. No. US 1990-540033, filed on 19 Jun 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-372162, filed on 27 Jun 1989, now abandoned which is a continuation of Ser. No. US 1988-267758, filed on 1 Nov 1988, now abandoned which is a continuation of Ser. No. US 1986-874721, filed on 16 Jun 1986, now abandoned which is a continuation-in-part of Ser. No. US 1985-697987, filed on 4 Feb 1985, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Warden, Jill; Assistant Examiner: Huff, Sheela J.
LREP Boudreaux, William R.
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2467
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 37 OF 46 USPATFULL on STN
 AN 96:14731 USPATFULL
 TI Enzymatic resolution of .alpha.-tertiary carboxylic acid esters
 IN Kalwass, Helmut, Belmont, MA, United States
 Yee, Christopher, Needham, MA, United States
 Blythe, Todd, Malden, MA, United States
 Shames, Spencer, Concord, MA, United States
 Rogers, Elizabeth, Cambridge, MA, United States
 PA Genzyme Corporation, Cambridge, MA, United States (U.S. corporation)
 PI US 5492830 19960220
 AI US 1993-83943 19930625 (8)
 RLI Continuation-in-part of Ser. No. US 1992-870061, filed on 17 Apr 1992,
 now abandoned which is a continuation-in-part of Ser. No. US
 1991-697152, filed on 8 May 1991, now patented, Pat. No. US 5202260
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Wax, Robert A.; Assistant Examiner: Grimes, Eric
 LREP Gosz, William G.
 CLMN Number of Claims: 12
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1041
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 38 OF 46 USPATFULL on STN
 AN 95:92711 USPATFULL
 TI Protease
 IN Teraoka, Hiroshi, Osaka, Japan
 Tamaki, Mikio, Nara, Japan
 Nakamura, Etsuo, Kobe, Japan
 Shin, Masaru, Kobe, Japan
 Yoshida, Nobuo, Nishinomiya, Japan
 Tsuzuki, Hiroshige, Tsuzuki, Japan
 Fujiwara, Takashi, Nara, Japan
 Matsumoto, Koichi, Osaka, Japan
 PA Shionogi & Co., Ltd., Osaka, Japan (non-U.S. corporation)
 PI US 5459064 19951017
 AI US 1993-35634 19930323 (8)
 RLI Division of Ser. No. US 1991-782372, filed on 24 Oct 1991, now abandoned
 PRAI JP 1990-288110 19901024
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Fleisher, Mindy B.
 LREP Morrison & Foerster
 CLMN Number of Claims: 11
 ECL Exemplary Claim: 1
 DRWN 6 Drawing Figure(s); 6 Drawing Page(s)
 LN.CNT 1069
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 39 OF 46 USPATFULL on STN
 AN 85:32794 USPATFULL
 TI Cleaning contact lenses with solution of bromelain and
carboxypeptidase
 IN Anderson, Ronald L., 525 Sunbury Rd., Westerville, OH, United States
 43081
 Mascio, Maria R., 525 Sunbury Rd., Westerville, OH, United States 43081
 PI US 4521254 19850604
 AI US 1982-346013 19820205 (6)
 RLI Continuation-in-part of Ser. No. US 1981-232392, filed on 9 Feb 1981,
 now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Marantz, Sidney

LREP Porter, Wright Morris & Arthur
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 704
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 40 OF 46 USPATFULL on STN
AN 82:19052 USPATFULL
TI Process for preparation of folic acid derivatives
IN Farina, Peter R., North Salem, NY, United States
Grattan, James A., Croton-on-Hudson both of, NY, United States
PA Baker Instruments Corporation, Bethlehem, PA, United States (U.S. corporation)
PI US 4326060 19820420
AI US 1979-90064 19791031 (6)
RLI Division of Ser. No. US 1979-34760, filed on 30 Apr 1979, now Defensive Publication No.
DT Utility
FS Granted
EXNAM Primary Examiner: Rizzo, Nicholas S.
LREP Rauchfuss, George W.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 789
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 41 OF 46 USPATFULL on STN
AN 82:7010 USPATFULL
TI Molecular transformation procedure
IN Royer, Garfield P., Worthington, OH, United States
PA Pierce Chemical Company, Rockford, IL, United States (U.S. corporation)
PI US 4315074 19820209
AI US 1979-51229 19790622 (6)
RLI Division of Ser. No. US 1978-907503, filed on 19 May 1978, now patented, Pat. No. US 4182654, issued on 8 Jan 1980 And a continuation-in-part of Ser. No. US 1976-680462, filed on 26 Apr 1976, now abandoned which is a continuation-in-part of Ser. No. US 1974-507198, filed on 18 Sep 1974, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Hazel, Blondel
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1216
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 42 OF 46 USPATFULL on STN
AN 82:6924 USPATFULL
TI Folic acid derivatives and process for preparation
IN Farina, Peter R., North Salem, NY, United States
Grattan, James A., Croton-on-Hudson, NY, United States
PA Baker Instruments Corp., Bethlehem, PA, United States (U.S. corporation)
PI US 4314988 19820209
AI US 1979-90063 19791031 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Nucker, Christine M.
LREP Rauchfuss, Jr., George W.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)

LN.CNT 804

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 43 OF 46 USPATFULL on STN
AN 81:60373 USPATFULL
TI Folic acid derivatives
IN Farina, Peter R., North Salem, NY, United States
Grattan, James A., Croton-on-Hudson, NY, United States
PA Union Carbide Corporation, New York, NY, United States (U.S.
corporation)
PI US 4298735 19811103
AI US 1979-34760 19790430 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Coughlan, Jr., Paul M.
LREP Evans, J. Hart
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 801

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 44 OF 46 USPATFULL on STN
AN 80:10375 USPATFULL
TI Peptides having somatostatin activity
IN Veber, Daniel F., Ambler, PA, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US 4190648 19800226
AI US 1979-20148 19790313 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Phillips, Delbert R.; Assistant Examiner: Hazel,
Blondel
LREP Rose, David L., Westlake, Harry E.
CLMN Number of Claims: 3
ECL Exemplary Claim: 1,3
DRWN No Drawings
LN.CNT 465

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 45 OF 46 USPATFULL on STN
AN 80:1921 USPATFULL
TI Production of polypeptides using polynucleotides
IN Royer, Garfield P., Worthington, OH, United States
PA Pierce Chemical Company, Rockford, IL, United States (U.S. corporation)
PI US 4182654 19800108
AI US 1978-907503 19780519 (5)
RLI Continuation-in-part of Ser. No. US 1976-680462, filed on 26 Apr 1976,
now abandoned which is a continuation-in-part of Ser. No. US
1974-507198, filed on 18 Sep 1974, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Phillips, Delbert R.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1212

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 46 OF 46 USPATFULL on STN
AN 78:52942 USPATFULL
TI Somatostatin analogs
IN Veber, Daniel F., Ambler, PA, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

PI US 4115554 19780919
AI US 1977-828791 19770829 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Phillips, Delbert R.
LREP Patton, Walter, Westlake, Jr., Harry E.
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 666
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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